

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 860 961 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.10.2003 Bulletin 2003/43

(51) Int Cl.7: H04L 12/66, H04L 12/46

(43) Date of publication A2:
26.08.1998 Bulletin 1998/35

(21) Application number: 98103032.3

(22) Date of filing: 20.02.1998

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: Nakatsugawa, Yoshinori,
c/o Yazaki Parts Co., Ltd.
Haibara-gun, Shizuoka 421-04 (JP)

(30) Priority: 04.07.1997 JP 17999997
21.02.1997 JP 3803797

(74) Representative:
Ritter und Edler von Fischern, Bernhard,
Dipl.-Ing. et al
Hoffmann Eitle,
Patent- und Rechtsanwälte,
Arabellastrasse 4
81925 München (DE)

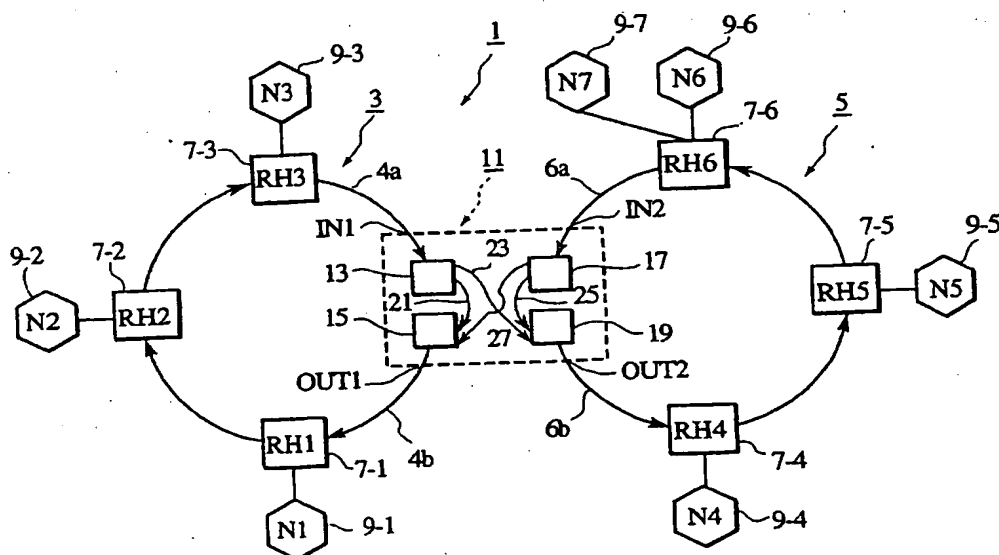
(71) Applicant: YAZAKI CORPORATION
Minato-ku Tokyo 108 (JP)

(54) Communication method, communication system, and gate way used in the communication system

(57) Upon executing data exchange between a pair of LAN's(3, 5) via a gate way(11), a root hub(RH1-RH6) transmits the communication data, in an address describing area of which source/destination addresses are described, and a gate way(11) decodes the source/destination addresses included in received communication

data, decides whether or not the source and the destination belong to the same LAN based on decoded source/destination addresses and attribution identification information, selects an appropriate route as the destination of the communication data based on a result of this attribution decision, and then transmits the communication data to the destination via selected route.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 10 3032

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)
X	US 4 287 592 A (PAULISH DANIEL J ET AL) 1 September 1981 (1981-09-01) * column 1, line 1 - column 2, line 31; figure 1 *	1-10	H04L12/66 H04L12/46
A	US 3 890 471 A (HACHENBURG VICTOR) 17 June 1975 (1975-06-17) * column 2, line 7 - line 68; figure 1 * * column 3, line 60 - column 4, line 55 *	1-10	
A	US 4 975 906 A (ASANO MICHIO ET AL) 4 December 1990 (1990-12-04) * column 6, line 1 - line 50 * * column 9, line 48 - line 61 * * column 12, paragraph 38 - paragraph 68 *	8	
			TECHNICAL FIELDS SEARCHED (Int.CL6)
			H04L
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 24 July 2003	Examiner García Bolos, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 (03.02.02) (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 10 3032

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-07-2003

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4287592	A	01-09-1981	NONE		
US 3890471	A	17-06-1975	NONE		
US 4975906	A	04-12-1990	JP	1206753 A	18-08-1989
			JP	2633887 B2	23-07-1997
			JP	2002270 A	08-01-1990
			JP	2718067 B2	25-02-1998
			JP	2094843 A	05-04-1990
			JP	2774526 B2	09-07-1998
			DE	3904403 A1	24-08-1989
			US	5144622 A	01-09-1992

EPO FORM PWS9

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

THIS PAGE BLANK (USPTO)